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Assistant Commissioner for Patents, Washington, D.C. 20231, on  
March 7, 2003

Quine Intellectual Property Law Group, P.C.

By: \_\_\_\_\_

Amelia Groth

Attorney Docket No: 305T-  
900500US  
Client Ref: SF2000-036



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Osamu Tetsu et al.

Application No.: 09/687,593

Filed: October 13, 2000

For: MAMMALIAN TWO-HYBRID  
SYSTEM FOR SCREENING FOR  
MODULATORS OF THE ACCUMULATION  
OF METABOLIC PRODUCTS

Examiner: Bronwen M. Loeb

Art Unit: 1636

**AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Final Office Action dated **September 9, 2002**, Applicants respectfully request reconsideration of the above-identified application in view of the following amendments and remarks. The following documents are enclosed herewith:

- 1) A petition to extend the period of response for **3** months;
- 2) A marked up copy of the claims;
- 3) A courtesy copy of the pending claims;
- 4) Letter to Draftsperson and Formal Drawings;
- 5) An Supplemental Information Disclosure Statement;
- 6) A Request for Continued Examination;
- 7) A transmittal sheet;
- 8) A fee transmittal sheet; and,
- 9) A receipt indication postcard.

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(Modified) PTO/SB/17 (12-98)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY2002

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$)

1850.00

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | 09/687,593       |
| Filing Date          | October 13, 2000 |
| First Named Inventor | Osamu Tetsu      |
| Examiner Name        | Bronwen M. Loeb  |
| Group / Art Unit     | 1636             |
| Attorney Docket No.  | 305T-900500US    |

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 50-0893  
Deposit Account Name: Quine Intellectual Property Law Group, P.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. ☐ Payment Enclosed:  
☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code | Small Entity Fee Code | Fee Description        | Fee Paid |
|-----------------------|-----------------------|------------------------|----------|
| 101 740               | 201 370               | Utility filing fee     |          |
| 106 310               | 206 155               | Design filing fee      |          |
| 107 480               | 207 240               | Plant filing fee       |          |
| 108 690               | 208 345               | Reissue filing fee     |          |
| 114 150               | 214 80                | Provisional filing fee |          |

SUBTOTAL (1) (\$)

0

### 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | -20** =      | X              |          |
| Multiple Dependent | -3** =       | X              |          |

\*\*or number previously paid, if greater; For Reissues, see below

### Large Entity Small Entity

| Large Entity Fee Code | Small Entity Fee Code | Fee Description  |
|-----------------------|-----------------------|--|
| 103 18                | 203 9                 | Claims in excess of 20                                     |
| 102 84                | 202 42                | Independent claims in excess of 3                          |
| 104 280               | 204 140               | Multiple dependent claim, if not paid                      |
| 109 78                | 209 39                | ** Reissue independent claims over original patent         |
| 110 18                | 210 9                 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

0

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code | Small Entity Fee Code | Fee Description  | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 105 130               | 205 65                | Surcharge - late filing fee or oath  |          |
| 127 50                | 227 25                | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130               | 139 130               | Non-English specification  |          |
| 147 2,520             | 147 2,520             | For filing a request for reexamination                                     |          |
| 112 920*              | 112 920*              | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*            | 113 1,840*            | Requesting publication of SIR after Examiner action                        |          |
| 115 110               | 215 55                | Extension for reply within first month                                     |          |
| 116 400               | 216 200               | Extension for reply within second month                                    |          |
| 117 920               | 217 460               | Extension for reply within third month                                     | 920.00   |
| 118 1440              | 218 720               | Extension for reply within fourth month                                    |          |
| 128 1960              | 228 980               | Extension for reply within fifth month                                     |          |
| 119 320               | 219 160               | Notice of Appeal   |          |
| 120 300               | 220 150               | Filing a brief in support of an appeal                                     |          |
| 121 260               | 221 130               | Request for oral hearing   |          |
| 138 1,510             | 138 1,510             | Petition to institute a public use proceeding                              |          |
| 140 110               | 240 55                | Petition to revive - unavoidable   |          |
| 141 1280              | 241 640               | Petition to revive - unintentional   |          |
| 142 1280              | 242 640               | Utility issue fee (or reissue)   |          |
| 143 430               | 243 215               | Design issue fee   |          |
| 144 580               | 244 290               | Plant issue fee  |          |
| 122 130               | 122 130               | Petitions to the Commissioner  |          |
| 123 50                | 123 50                | Petitions related to provisional applications                              |          |
| 126 180               | 126 180               | Submission of Information Disclosure Stmt                                  | 180.00   |
| 581 40                | 581 40                | Recording each patent assignment per property (times number of properties) |          |
| 146 690               | 246 345               | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149 690               | 249 345               | For each additional invention to be examined (37 CFR 1.129(b))             |          |

Other fee (specify) Request for Continued Examination

750.00

Other fee (specify)

SUBTOTAL (3) (\$)

1850.00

## SUBMITTED BY

Typed or Printed Name: Irene Pleasure

Signature: *Irene Pleasure* Date: 03/07/2003

## Complete (if applicable)

Reg. Number: 45,506

Deposit Account User ID

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date: February 10, 2003

Typed or Printed Name: Amelia Groth

Signature: *Amelia Groth* Date: March 7, 2003

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(Modified) PTO/SB/21 (6-98)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|                        |                  |
|------------------------|------------------|
| Application Number     | 09/687,593       |
| Filing Date            | October 13, 2000 |
| First Named Inventor   | Osamu Tetsu      |
| Group Art Unit         | 1636             |
| Examiner Name          | Bronwen M. Loeb  |
| Attorney Docket Number | 305T-900500US    |

Total Number of Pages in This Submission

80

## ENCLOSURES (check all that apply)

|  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Assignment Papers (for an Application)<br><input checked="" type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Small Entity Statement<br><input type="checkbox"/> Request for Refund | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):<br>Letter to Official drafts person;<br>Appendix of Amended Claims;<br>Appendix of Pending Claims;<br>receipt acknowledgment postcard |
| <input checked="" type="checkbox"/> Amendment / Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s) | <b>Authorization to Charge Deposit Account</b><br>Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.   |  |
| <input checked="" type="checkbox"/> Extension of Time Request  |  |  |
| <input checked="" type="checkbox"/> Request for Continued Examination  |  |  |
| <input checked="" type="checkbox"/> Information Disclosure Statement   |  |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)  | <div>Remarks</div>   |  |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |  |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53   |  |  |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |  |
|-------------------------|--|
| Firm or Individual name | Irene Pleasure, Reg. No. 45,506, Quine Intellectual Property Law Group, P.C. |
| Signature               |  |
| Date                    | March 7, 2003  |

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|                       |              |      |               |
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| Typed or printed name | Amelia Groth | Date | March 7, 2003 |
| Signature             |              |      |               |

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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By

  
Amelia Groth

Attorney Docket No. 305T-900500US

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Osamu Tetsu, et al.

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Art Unit: 1636

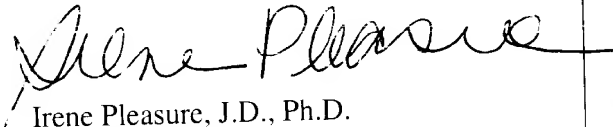
LETTER TO OFFICIAL DRAFTSPERSON

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant hereby submits 5 sheets of formal drawings to be made of record in the above-identified case.

Respectfully submitted,

  
Irene Pleasure, J.D., Ph.D.  
Reg. No. 45,506

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